SCANNING LASER RANGE FINDER

UTM-30LX(-F)
UTM-30LX-(F)EW

Features

- Long distance
- Wide range
- High speed
- Multi-Echo data
  (UTM-30LX-EW only)
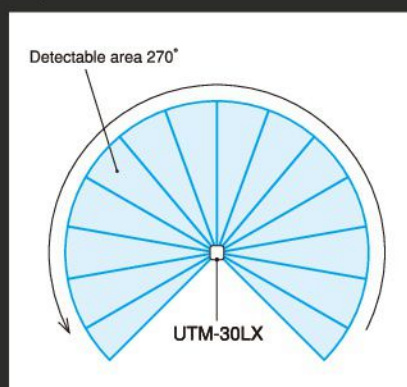- IP67 (UTM-30LX-EW)
  (UTM-30LX-FEW)

Applications

- Service robot
- Medical robot
- Research robot
- Intelligent AGV

Specifications

Part No.	UTM-30LX / UTM-30LX-EW	UTM-30LX-F / UTM-30LX-FEW
Power supply	12VDC ±10%	
Consumption current	700mA or less (1A when switching on)	
Light source	Semiconductor laser (905nm), class 1 eye safe	
Distance	0.1-30m (White sheet)	
Distance accuracy	±50mm	
Repeatability	$\sigma < 30mm$	
Scanning angle	270 degrees	
Scanning time	25ms per scan	10ms per scan
Angular resolution	0.25°	0.65°
Output	Sync.	
Interface	USB for UTM-30LX / Ethernet for UTM-30LX-EW	USB for UTM-30LX-F / Ethernet for UTM-30LX-FEW
Ambient temperature	-10 to 50 °C	
Protective structure	IP64 for UTM-30LX / IP67 for UTM-30LX-EW	IP64 for UTM-30LX-F / IP67 for UTM-30LX-FEW
Weight	210g (excluding cables)	

System structure

Detectable area 270°

UTM-30LX

Applications

● Enviroment recognition by autonomous robot for outdoor use

● Analyzing human movement patterns for maketing purposes